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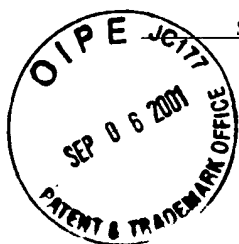
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September 5, 2001

Date of Signature



Patent
Case No. P-188

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Clark M. Whitehead et al.)	
)	
Serial No.:	09/938,009)	Examiner: Not Yet Assigned
)	
Filed:	August 23, 2001)	Art Unit: Not Yet Assigned
)	
For:	METHODS FOR TREATMENT OF)	
	LUPUS ERYTHEMATOSUS)	

INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

Sir:

Pursuant to the obligation under 37 C.F.R. § 1.56 and in conformance with 37 C.F.R. §§ 1.97-1.99, Applicants hereby submit the following documents for consideration by the Examiner. A copy of each has been enclosed along with two copies of the PTO-1449 form.

U.S. Patents

<u>Patent No.</u>	<u>Date</u>	<u>Name</u>
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3,161,654	December 15, 1964	Shen
3,312,730	April 4, 1967	Winter et al.
3,322,755	May 30, 1967	Roch et al.
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5,298,525	March 29, 1994	Yoon et al.
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5,470,873	November 28, 1995	Yoon
5,488,055	January 30, 1996	Kumar et al.
5,527,896	June 18, 1996	Wigler et al.
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5,614,627	March 25, 1997	Takase et al.
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WO 93/07149	April 15, 1993	PCT

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Ahmad F. et al., IL-3 and IL-4 Activate Cyclic Nucleotide Phosphodiesterases 3 (PDE3) and 4 (PDE4) by Different Mechanisms in FDCP2 Myeloid Cells, *J. Immunology* Vol. 162, Part 8, pp. 4864-4875 (Apr 15 1999).

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REMARKS

Applicants request that these references be made of record in this case, and that the Examiner indicate his review of these references by initialing and returning one copy of the PTO form enclosed.

This Information Disclosure Statement is being submitted before the mailing of the first Office Action on the merits pursuant to 37 C.F.R. § 1.97.

Respectfully submitted,



Robert W. Stevenson
Reg. No. 31064
Attorney for Applicants

Dated: September 5, 2001
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FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	SERIAL NO.	CASE NO.
	09/938,009	P-188
	FILING DATE AUGUST 23, 2001	GROUP ART UNIT NOT YET ASSIGNED
APPLICANT(S): WHITEHEAD ET AL.		

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	3,031,450	4/24/62	Fischer et al.		
	A2	3,161,654	12/15/64	Shen		
	A3	3,312,730	4/4/67	Winter et al.		
	A4	3,322,755	5/30/67	Roch et al.		
	A5	3,325,358	6/13/67	Winter et al.		
	A6	3,532,752	10/6/70	Shen		
	A7	3,642,785	2/15/72	Shen et al.		
	A8	3,647,858	3/7/72	Hinkley et al.		
	A9	3,654,349	4/4/72	Shen et al.		
	A10	3,692,651	9/19/72	Sletzing et al.		
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	A12	3,737,455	6/5/73	Shen et al.		
	A13	3,851,063	11/26/74	Shen et al.		

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	NO
	A14	EP 0 293 063 B1	3/18/92	EPO			
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	A16	EP 0 349 239 A2	1/3/90	EPO			
	A17	EP 0 352 960 B1	10/26/94	EPO			
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EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	
	A19	Ahmad F. et al., IL-3 and IL-4 Activate Cyclic Nucleotide Phosphodiesterases 3 (PDE3) and 4 (PDE4) by Different Mechanisms in FDCP2 Myeloid Cells, J. Immunology Vol. 162, Part 8, pp. 4864-4875 (Apr 15 1999).
	A20	Boven LA et al., Macrophage inflammatory protein-1 alpha (MIP-1alpha), MIP-1beta, and RANTES mRNA semiquantification and protein expression in active demyelinating multiple sclerosis (MS) lesions, Clin. Exp. Immunol. 2000 Nov.; 122(2): 257-63 (Abstract Only).
	A21	Cooper N. et al., A comparison of the inhibitory activity of PDE4 inhibitors on leukocyte PDE4 activity in vitro and eosinophil trafficking in vivo, British Journal of Pharmacology (1999) 126, pp. 1863-1871.
	A22	Czirjak L. et al., Investigation of the alveolar macrophages and T lymphocytes in 15 patients with systemic sclerosis, Clin Rheumatology 1999; 18(5), pp. 357-363 (Abstract Only).
	A23	Danahay H. et al., PDE4 inhibition and a corticosteroid in chronically antigen exposed conscious guinea-pigs, Clinical and Experimental Allergy, 1998, Vol. 28, pp. 513-522.
	A24	Duggan, D.E. et al., Identification of the Biologically Active Form of Sulindac, J. Pharm. & Exper. Therap., Vol. 201, No. 1, pp.8-13 (1977).

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	A35	5,488,055	1/30/96	Kumar et al.		
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	A47	Giembycz, M.A., Phosphodiesterase 4 Inhibitors and the Treatment of Asthma, Drugs 2000 Feb; 59(2), pp. 193-212.
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	A50	5,614,530	3/25/97	Kumar et al.		
	A51	5,614,627	3/25/97	Takase et al.		
	A52	5,708,022	1/13/98	Bastos et al.		
	A53	5,776,752	7/7/98	Beavo et al.		
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	A55	5,798,374	8/25/98	Tang et al.		
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	A57	5,852,035	12/22/98	Pamukcu et al.		
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	A70	Imahashi K. et al., Type IV Phosphodiesterase Inhibitor Suppresses Insulin-Dependent Myocardial Glucose Uptake, Clin Exp Pharmacol Physiol 2001 Apr;28(4), pp. 290-291 (Abstract Only)
	A71	Ishikawa O. et al., Macrophage infiltration in the skin of patients with systemic sclerosis, J. Rheumatology 1992 Aug; 19(8), pp. 1202-1206 (Abstract Only).
	A72	Kapur S. et al., Expression of Nitric Oxide Synthase in Skeletal Muscle, Diabetes, Vol. 46, Nov. 1997, pp. 1691-1700.

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	APPLICANT(S): WHITEHEAD ET AL.	

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	A73	5,885,834	3/23/99	Epstein		
	A74	5,902,827	5/11/99	Pamukcu et al.		
	A75	5,922,595	7/13/99	Fisher et al.		
	A76	5,942,520	8/24/99	Pamukcu et al.		
	A77	5,948,911	9/7/99	Pamukcu et al.		
	A78	5,958,982	9/28/99	Pamukcu et al.		
	A79	5,990,117	11/23/99	Pamukcu et al.		
	A80	5,998,463	12/7/99	Hulin et al.		
	A81	6,008,215	12/28/99	Flockerzi		
	A82	6,015,677	1/18/00	Beavo et al.		
	A83	6,034,099	3/7/00	Pamukcu et al.		
	A84	6,037,345	3/14/00	Pamukcu et al.		
	A85	6,046,199	4/4/00	Pamukcu et al.		

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	NO
	A86	SHO 61-106521	5/24/86	Japan			
	A87	WO 01/04099 A1	1/18/01	PCT			
	A88	WO 00/12501	3/9/00	PCT			
	A89	WO 00/26201	5/11/00	PCT			
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	A91	Kelly J. et al., Characterization of phosphodiesterase 4 in guinea-pig macrophages: multiple activities, association states and sensitivity to selective inhibitors, British Journal of Pharmacology (1998) 124, PP. 129-140.
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	A93	Kumar A. et al., Analgesic and anti-inflammatory effects of phosphodiesterase inhibitors, Indian J Exp Biol 2000 Jan;38(1), pp. 26-30 (Abstract Only)
	A94	Lee MS et al., A comparative immunohistochemical study of lichen planus and discoid lupus erythematosus, Australas J. Dermatol. 1996 Nov.; 37(4): 188-92 (Abstract Only).
	A95	McPherson M.A. et al., A cyclic nucleotide PDE5 inhibitor corrects defective mucin secretion in submandibular cells containing antibody directed against the cystic fibrosis transmembrane conductance regulator protein, FEBS Letters 464 (1999), pp. 48-52.
	A96	Mery P.F. et al., Erythro-9-(2-hydroxy-3-nonyl)adenine inhibits cyclic GMP-stimulated phosphodiesterase in isolated cardiac myocytes, Mol. Pharmacology 1995 Jul;48(1), pp. 121-130 (Abstract Only)

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	FILING DATE AUGUST 23, 2001	GROUP ART UNIT NOT YET ASSIGNED
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	A99	6,060,477	5/9/00	Piazza et al.		
	A100	6,066,634	5/23/00	Sperl et al.		
	A101	6,069,240	5/30/00	Wigler et al.		
	A102	6,071,934	6/6/00	Sperl et al.		
	A103	6,077,842	6/20/00	Pamukcu et al.		
	A104	6,080,540	6/27/00	Wigler et al.		
	A105	6,080,742	6/27/00	Germann et al.		
	A106	6,080,772	6/27/00	Tang et al.		
	A107	6,100,025	8/8/00	Wigler et al.		
	A108	6,107,295	8/22/00	Rochus et al.		
	A109	6,124,303	9/26/00	Pamukcu et al.		

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	A110	WO 00/26208	5/11/00	PCT			
	A111	WO 00/27861	5/18/00	PCT			
	A112	WO 00/42017	7/20/00	PCT			
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	A119	Ostensen M. et al., Nonsteroidal anti-inflammatory drugs in systemic lupus erythematosus, Lupus (2001) 10, pp. 135-139.
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	A122	6,143,746	11/7/00	Daugan et al.		
	A123	6,143,759	11/7/00	Flockerzi		
	A124	6,143,765	11/7/00	Tang et al.		
	A125	6,143,777	11/7/00	Jonas et al.		
	A126	6,169,090	1/2/01	Dyke et al.		
	A127	6,174,884	1/16/01	Haning et al.		
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	A130	6,200,980	3/13/01	Piazza et al.		
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	A135	WO 00/59890	10/12/00	PCT			
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	A146	6,235,742	5/22/01	Bell et al.		
	A147	6,235,776	5/22/01	Pamukcu et al.		
	A148	6,235,782	5/22/01	Pamukcu et al.		
	A149	6,239,136	5/29/01	Pamukcu et al.		
	A150	6,251,904	6/26/01	Bunnage et al.		
	A151	6,255,303	7/3/01	Sterk et al.		
	A152	6,255,456	7/3/01	Fisher et al.		
	A153	6,258,833	7/10/01	Martins et al.		
	A154	6,268,372	7/31/01	Pamukcu et al.		

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	A156	WO 98/14448	4/9/98	PCT			
	A157	WO 98/06722	2/19/98	PCT			
	A158	WO 97/24334	7/10/97	PCT			
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	A161	Waddel W. R. et al., Sulindac for Polyposis of the Colon, <i>The American Journal of Surgery</i> , Vol. 157, Jan. 1989, pp. 175-179.
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	A163	Weyand CM and Goronzy JJ, HLA polymorphisms and T cells in rheumatoid arthritis, <i>Int. Rev. Immunol.</i> 1999; 19(1-2):37-39 (Abstract Only).
	A164	Wilder R.L. et al., Hormonal regulation of tumor necrosis factor-alpha, interleukin-12 and interleukin-10 production by activated macrophages. A disease-modifying mechanism in rheumatoid arthritis and systemic lupus erythematosus?, <i>Ann. NY Acad. Sci</i> 1999 June 22;876, pp. 14-31 (Abstract Only).

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	A165	WO 97/03675	2/6/97	PCT		
	A166	WO 94/29277	11/22/94	PCT		
	A167	WO 93/07149	4/15/93	PCT		

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